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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/846,861	05/01/2001	Yoshihiro Konaka	P/1071-1322	4990
75	90 05/07/2003			
Keating & Bennett LLP		EXAMINER		
10400 Eaton Pla Suite 312			KWOK, HELEN C	
Fairfax, VA 22030			ART UNIT	PAPER NUMBER
		•	2856	
			DATE MAILED: 05/07/2003	·

Please find below and/or attached an Office communication concerning this application or proceeding.

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Application No.

09/846,861

Applicant(s)

aminer

Art Unit

Konaka et al.

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Office Action Summary

		H. KWOK	2856			
	The MAILING DATE of this communication appears	on the cover sheet with the corres	pondence address			
Period for Reply						
THE N - Extens mailing - If the p - If NO p - Failure - Any re	ORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION. ions of time may be evailable under the provisions of 37 CFR 1.136 (a). In date of this communication. period for reply specified above is less than thirty (30) days, a reply within the period for reply is specified above, the maximum statutory period will apply to reply within the set or extended period for reply will, by statute, cause the plant of the position of the period of the maximum adjustment. See 37 CFR 1.704(b).	no event, however, may a reply be timely filed he statutory minimum of thirty (30) days will be and will expire SIX (6) MONTHS from the mailin he application to become ABANDONED (35 U.S	after SIX (6) MONTHS from the considered timely. In date of this communication. In S.C. § 133).			
Status	patent term adjustment. See 57 CFN 1.704(b).					
1) 💢	Responsive to communication(s) filed on Feb 5, 20	003	· · ·			
2a) 🗌	This action is FINAL . 2b) 💢 This act	tion is non-final.				
3) 🗆	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11; 453 O.G. 213.					
Disposi	tion of Claims		·			
4) 🗶	Claim(s) <u>1-4</u>	is/are	pending in the application.			
4	a) Of the above, claim(s)	is/ar	e withdrawn from consideration.			
5) 🗆	Claim(s)		is/are allowed.			
6) 💢	Claim(s) 1-4		is/are rejected.			
7) 🗆	Claim(s)		is/are objected to.			
8) 🗆	Claims	are subject to restric	tion and/or election requirement.			
Applica	tion Papers					
9) 🗆	The specification is objected to by the Examiner.					
10)	The drawing(s) filed on is/are	e a) \square accepted or b) \square objecte	d to by the Examiner.			
_	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)						
12)	If approved, corrected drawings are required in reply					
	The oath or declaration is objected to by the Exam	mer.				
13) 🗌	under 35 U.S.C. §§ 119 and 120 Acknowledgement is made of a claim for foreign p	riority under 35 U.S.C. § 119(a)	-(d) or (f).			
	All b)☐ Some* c)☐ None of:	·				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No.						
	 Copies of the certified copies of the priority of application from the International Bure ee the attached detailed Office action for a list of the 	eau (PCT Rule 17.2(a)).	this National Stage			
14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).						
a) The translation of the foreign language provisional application has been received.						
15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachm	ent(s)					
1) 💢 No	tice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper	No(s)			
2) No	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)					
3) 🔲 Inf	ormation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:				

Application/Control Number: 09/846,861

Art Unit: 2856

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

2. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,044,707 (Kato).

With regards to claims 1-4, Kato discloses an angular rate sensor comprising, as illustrated in Figure 1, a vibrating body 3; a driving unit 15 for causing the vibrating body to vibrate in a predetermined vibrating direction; and a driving monitoring unit 17 (electrodes 33a,33b) provided in a barycentric region of the vibrating body for detecting vibration displacement in a driving direction of the vibrating body. (See, column 12, line 10 to column 15, line 19). Furthermore, Kato discloses the vibrating body vibrating in a Coriolis force direction that is perpendicular to the driving direction which is detected by signal processing circuit 18 and

Application/Control Number: 09/846,861

Art Unit: 2856

suggesting the arrangement of the vibrating body having a double-frame construction as presently

Page 3

claimed.

3. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent

6,122,962 (Yoshino et al.).

With regards to claims 1-4, Yoshino et al. discloses an angular rate sensor comprising, as

illustrated in Figures 3, 7 and 14, a vibrating body 28; a driving unit 3 for causing the vibrating

body to vibrate in a predetermined vibrating direction; and a driving monitoring unit 35 or 35'

provided in a barycentric region of the vibrating body for detecting vibration displacement in a

driving direction of the vibrating body. (See, column 9, line 45 to column 18, line 45).

Furthermore, Yoshino et al. discloses the vibrating body vibrating in a Coriolis force direction

that is perpendicular to the driving direction is detected by angular velocity detector 34 or 34' and

which is detected by signal processing circuit and suggesting the arrangement of the vibrating

body having a double-frame construction as presently claimed.

Response to Amendment

4. Applicant's arguments with respect to claims 1-4 have been considered but are moot in

view of the new ground(s) of rejection.

Art Unit: 2856

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen Kwok whose telephone number is (703) 308-8149.

Helen C. Kwok

Art Unit 2856

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April 21, 2003